COLOR PICTURE DATA CODING SYSTEM

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Abstract of **JP2308672**

PURPOSE:To improve the subjective picture quality while suppressing the increase in the code quantity by discriminating whether or not a color in a block is a color requiring tight evaluation subjectively and decreasing a coded threshold level more than that of other block in the case of the color requiring tight evaluation. CONSTITUTION:A color picture data inputted from a terminal 1 is stored in buffers 3-5 via a DMPX 2. A color difference U component is split into a block of 4X4 picture elements by an MPX 6 to read a picture element data Xij of one block sequentially. A detection section 8 detects a maximum value Cmax and a minimum value Cmin in a block and a discrimination section 9 discriminates whether or not they are included in Umin-Umax. In the case of a designated color block, 1 is outputted and 0 is outputted in the other case. A threshold level discrimination section 11 reads a threshold level of a color component U in the storage section 16, outputs the result to a discrimination section 18 and a difference between Lmax and Lmin is obtained from a detection section 7, compared with a threshold level from the storage section 16 to decide a representative gradation number to be 1 or 2 or over. A deciding section 19 decides the representative gradation, a reference value and the difference in the block and outputs the result via the MPX 32. V and Y components are processed similarly.